FIG.1A

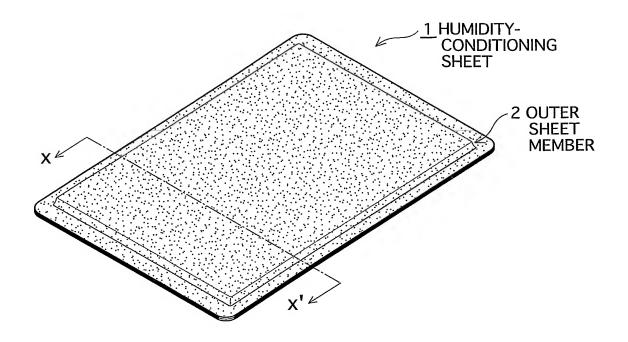
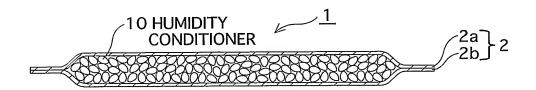
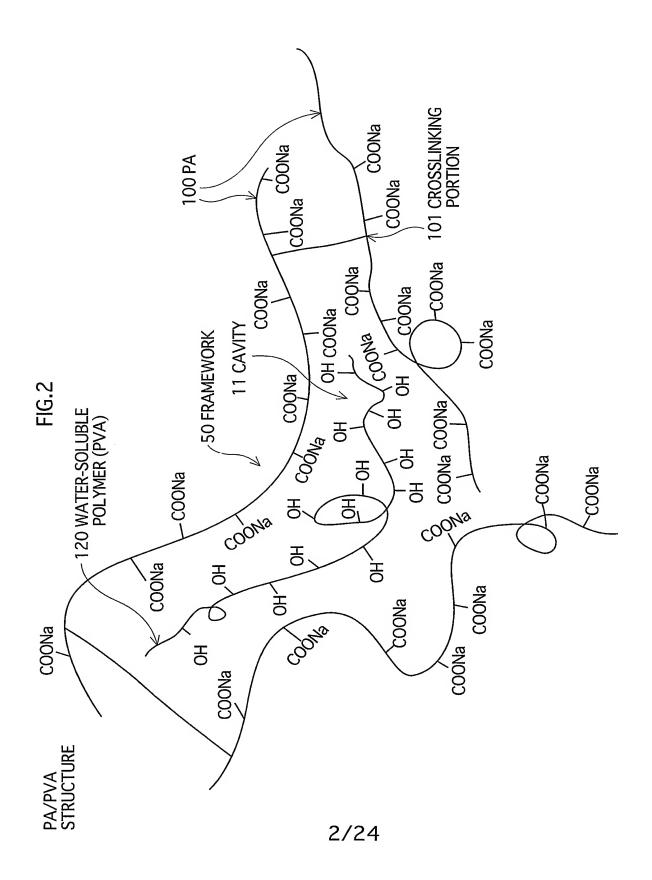
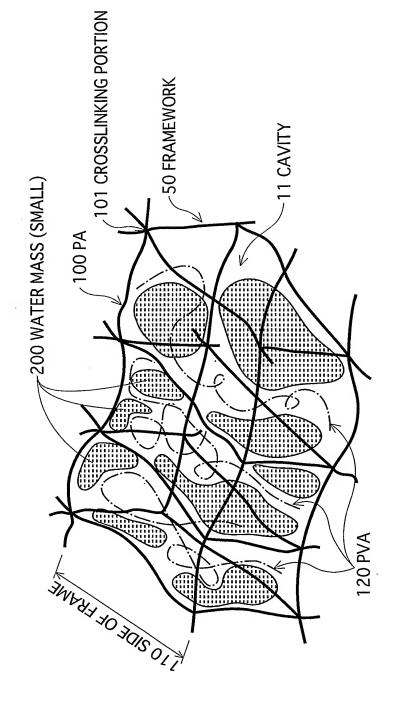


FIG.1B

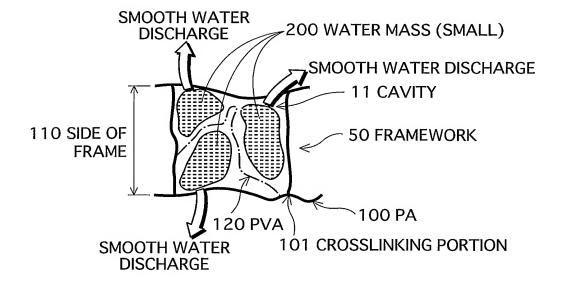






-16.3

FIG.4



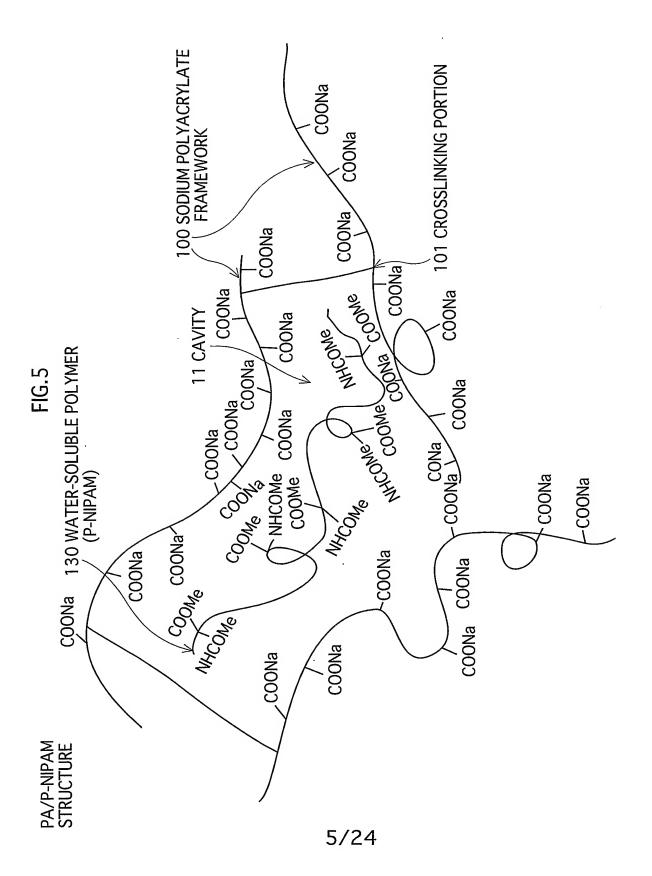
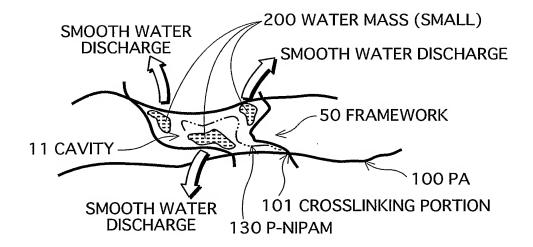


FIG.6



Changes in Weight (g) after Filtration

					回	lapsed Tir	Elapsed Time (hour)					
Sample	Tare Weight	0	13	52	62	14	98	92	110	110 134	159	183
А	55.5	96.76	92.36	97.96 92.36 87.43 79.19 76.19 71.89 68.78 66.04 60.86 56.25 55.61	79.19	76.19	71.89	68.78	66.04	98.09	56.25	55.61
В	56.01	56.01 94.78	90.2	90.2 84.82 75.55 72.43 69.14 65.9 63.59 59.98 56.8	75.55	72.43	69.14	62:3	63.59	59.98	56.8	56.14
С	55.82	55.82 94.82	89.39	89.39 84.27 74.58 71.72 67.92 64.84 62.38 59.18 55.97	74.58	71.72	67.92	64.84	62.38	59.18	55.97	55.95
D	56.0	96.21	91.57	.57 86.14 75.69 72.7 69.25 65.26 62.76 59.29 56.14 56.12	75.69	72.7	69.25	65.26	62.76	59.29	56.14	56.12
E	56.82	94.06	88.75	56.82 94.06 88.75 83.19 73.08 70.08 66.06 62.96 60.85 58.15 56.95 56.95	73.08	70.08	90.99	62.96	60.85	58.15	56.95	56.95

Amount of Weight Change (g)

Comple					Elaps	Elapsed Time (hour)	Jour)				
Salliple	0	13	25	85	74	98	92	110	134	159	183
А	42.46	36.86	31.93	23.69	20.69	16.39	13.28	10.54	5.36	0.75	0.11
В	38.77	34.19	28.81	19.54	19.54 16.42 13.13	13.13	9.89	7.58	3.97	62'0	0.13
၁	39.0	33.57	28.45	18.76	15.9	12.1	9.05	95.9	3.36	0.15	0.13
D	40.21	35.57	30.14	30.14 19.69	16.7	13.25	9.26	92'9	3.29	0.14	0.12
ш	37.24	31.93	26.37	16.26 13.26 9.24	13.26	9.24	6.14	4.03	1.33	0.13	0.13

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Changes in Weight (g) after Filtration

			Elaps	Elapsed Time (hour)	our)		
Sample	Tare Weight	0	6	94	09	94	118
X	52.5	126.89	120.71	107.16	102.59	93.35	89.98
\	55.83	120.89	116.9	104.19	99.32	6.78	81.24

Amount of Weight Change (g)

	-		Elapsed Time (hour)	me (hour)		
Sample	0	6	46	09	94	118
X	71.39	65.21	51.66	47.09	37.85	31.18
\	90.59	61.07	48.36	43.49	32.07	25.41

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Changes in Weight (g) after Filtration

Sample	Elare Weight 56.82	Elapsed Time (hour) 0 59.73	r) 35 57.18
У	56	60.37	56.74

IG.12

 Amount of Weight Change (g)

 Sample
 Elapsed Time (hour)

 x
 2.91
 0.36

 y
 4.37
 0.74

FIG. 13

Amount of Water Absorption after Drying Period of 35 Hours

L	Complo		Amount of	Amount of Water and Elapsed Time (hour)	ime (hour)	
13/	Sample	Water added	Absorption condition	1-hour later	Additional water	Absorption condition
 24	×	10 mL	70% absorbed	95% absorbed	10 mL	No absorption
L	y	10 mL	100% absorbed	-	10 mL	90% absorbed

FIG. 14

Amount of Water Absorption after Drying Period of 1 Week

90% absorbed 95% absorbed 1-hour later Amount of Water and Elapsed Time (hour) 20-30% absorbed 80% absorbed 20-min later Water added 10 mL 10 mL Sample >

FIG. 15

Amount of Water Absorption after Drying Period of 1 Month

Samule	Amount	Amount of Water and Elapsed Time (hour)	ne (hour)
oldingo	Water added	20-min later	30-min later
×	5 mL	50% absorbed	nearly 100% absorbed
χ	5 mL	80% absorbed	95% absorbed

FIG. 16

Changes in Weight (g) after Filtration

	06	53.65		53.55		53.56	54.93
	69		55.1		54.72		
	21	55.87		54.37		53.87	57.24
Elapsed Time (hour)	20	56.12 56.07 55.97 55.87		54.5 54.43		53.93	57.47
lapsed Ti	19	56.07		54.5	•	53.99	57.7
	18	56.12		54.56		54.05	57.8
	0		57.06		56.25		
	Tare Weight	52.92	54.32	52.76	54.24	53.1	53.56
	Sample	a	q	ပ	c,	р	Ð

FIG. 17

Amount of Weight Change (g)

	06	0.73		0.79		0.46	1.37
	69		0.78		0.48		
hour)	21	2.95		1.61		0.77	3.68
Elapsed Time (hour)	20	3.05		1.67		0.83	3.91
Elaps	19	3.15		1.74		0.89	4.14
	18	3.2		1.8		0.95	4.24
	0		2.74		2.01		
Cample	Sample	а	q	ပ	د, د	q	е

<u>IG 18</u>

Amount of Water Absorption after Dried

				Elapsed ⁻	Elapsed Time (hour)	(Jr				
Sample	20-min after 5 mL water added	Immediately after water absorption	1	5	3	4	2	9	24	42
а	70% absorbed	57.5	57.32	57.21	57.07	56.94	56.86	26.78	55.04	53.83
b	70% absorbed	58.41	58.26	58.18	58.08	57.93	57.83	57.74	56.21	55.05
С	50% absorbed	26.65	56.47	56.4	56.29	56.15	56.07	55.98	54.34	53.48
c'	70% absorbed	63.73	63.52	63.38	63.18	62.95	62.77	62.57	29.79	56.75
q	60% absorbed	57.43	57.24	57.24 57.12	57.01	26.88	56.79	26.68	52.05	53.64
е	70% absorbed	59.04	58.87	58.87 58.65	58.46	58.28	58.14	58.03	55.91	54.73

16.19

Amount of Weight Change (g)

	_	_	_	_	_		
	42	0.91	0.73	0.72	2.51	0.54	1.17
me (hour)	24	2.12	1.89	1.58	5.55	1.95	2.35
Elapsed Time (hour)	9	3.86	3,42	3.22	8.33	3.58	4.47
	0	4.58	4.09	3.89	9.49	4.33	5.48
Sample		а	q	၁	c,	þ	Э

FIG.20

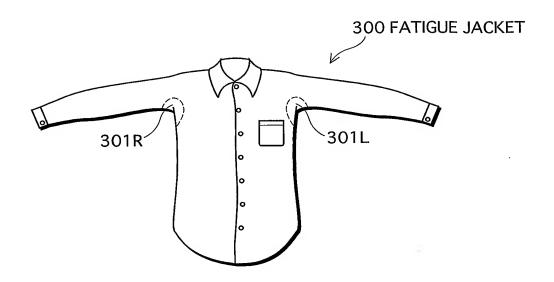
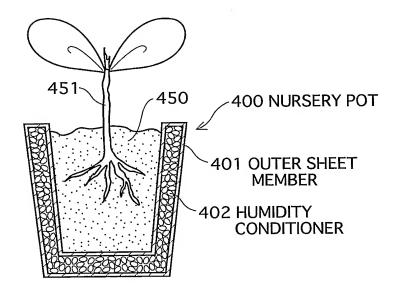


FIG.21



20/24

FIG.22

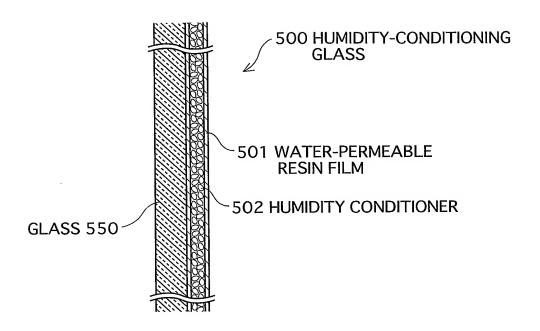


FIG.23

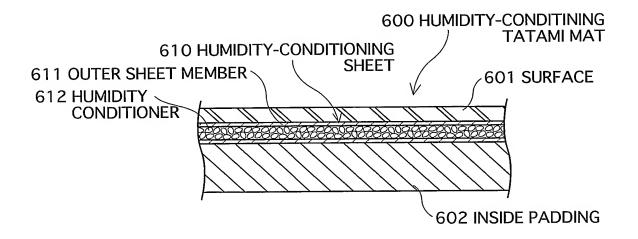


FIG.24A

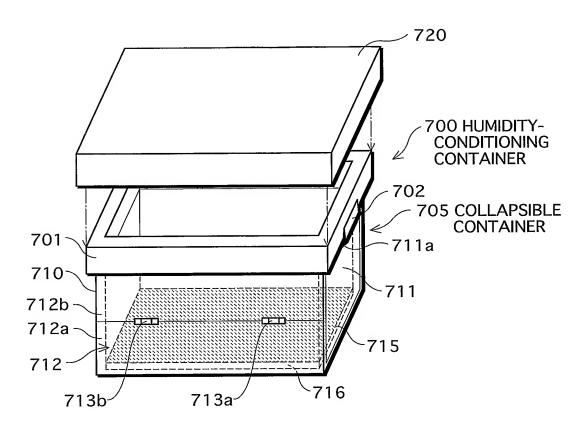
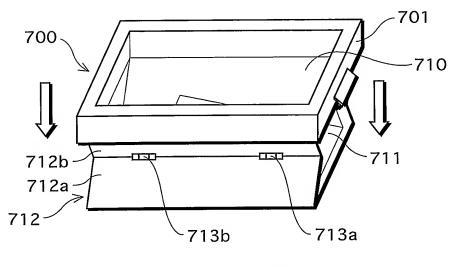


FIG.24B



22/24



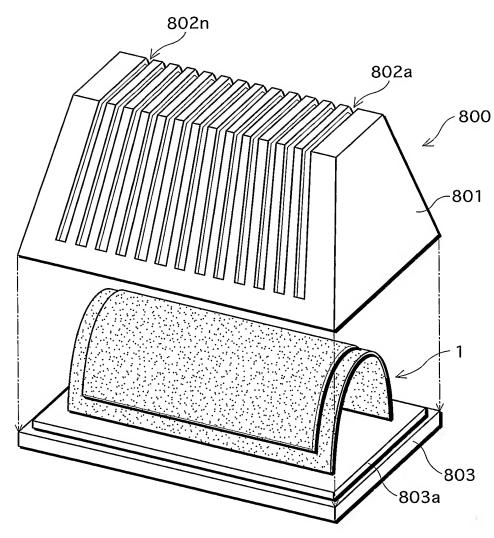


FIG.25B

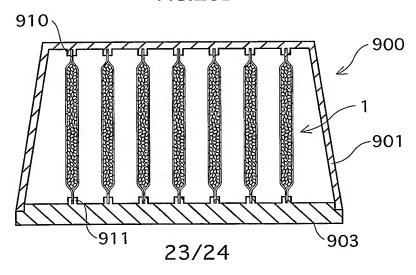


FIG.26A

STRUCTURE OF CONVENTIONAL ABSORBENT MATERIAL

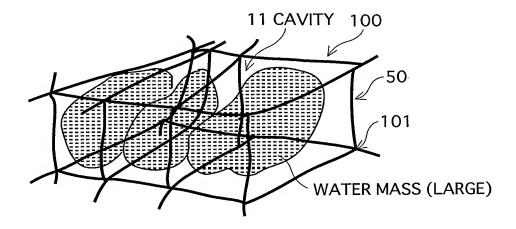


FIG.26B

DIFFICULT TO DISCHARGE WATER

